

The ZoneTraderPro AutoTrader New User Manual

The purpose of this manual is to give the new user of the ZoneTraderPro AutoTrader a guide to some of the considerations needed to develop a trading plan using the AutoTrader.

The 1st thing you need is a notebook. You will be going through a lot of data and when you see a data point that is interesting to me to write that down so you will remember it in the future.

ZoneTraderPro has spent months testing parameters using the NinjaTrader Market Replay. This data is available to all ZoneTraderPro customers to help them establish a trading plan. It is by no means a complete test of the interaction between every parameter. Feel free to suggest combinations of parameters based upon interactions you see on the charts and worksheets.

ZoneTraderPro created an Excel worksheet called the Parameters Summary. The parameters summary lists all of the available parameters and displays the test results for 2014 and 2015. The parameter studies are broken down further based on the type of trading day.

Test Number	21	22	23	26	27	28	30
Target	8	8	9	9	9	9	10
Stop	3	4	5	5	5	5	5
Breakeven Trigger	5	5	6	6		6	6
Breakeven Offset	2	2	2	2		2	2
Breakeven on 1st Target Level							
Use Breakeven	TRUE	TRUE	TRUE	TRUE		TRUE	TRUE
Move in Minor Touch							
Move Ticks from Minor							
Adverse Ticks to Activate							
Move Profit Target							
Adverse Tick from Primary							
Target Offset							
Move Profit to Minor						TRUE	
Adverse Ticks from Primary						3	
Target offset from Blue	1	1	1	1	1	1	1
Use Intermediate Zone	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
Use Red Bar							
Volume Setting							
Bar Setting							
Auto Exit							
Cancel Orders							
Use Tick Divergence	TRUE	TRUE	TRUE			TRUE	TRUE
Auto Exit on Red Dot							
Auto Exit with Limit							
Move Stop on Red Dot			TRUE			TRUE	TRUE
Move stop offset on Dot			4			4	4
Override original target to intermediate	TRUE	TRUE	TRUE			TRUE	TRUE
Non-divergent tick target	8	8	8			8	8
Cancel orders non-divergent							
Processed	yes		yes	yes	yes	yes	yes
LONG 2015							
Open>PrevDayVAH (Green Day)	10113	11756	13363	12683	11778	12058	13594
Open in PrevDayValue (Yellow Day)	2342	5458	4985	4820	5855	5332	5846
Open<PrevDayVAL (Red Day)	840	-830	-2424	-2735	-1273	471	-2299
SHORT 2015							
Open>PrevDayVAH (Green Day)	4097	3915	5403	4958	5643	5619	5226
Open in PrevDayValue (Yellow Day)	6991	6629	8487	9536	10982	9598	8486
Open<PrevDayVAL (Red Day)	2036	1668	1462	1082	1339	520	2355
LONG 2014							

ZoneTraderPro will give you the data mined excel worksheets used to create this data. It is a good idea to treat each trading condition as a separate evaluation. For example, 1st study the tests for Green Day going long. Next study Green days going short.

When you have identified 5 or 6 tests that you are going to study open the worksheet folders and you will find that tests have been broken down based on the type of day and the year. So if we were beginning to look at test 30 we would want to open the 2015 chart that says Test 30 Combined Green.

NinjaTrader Trade List, 1_5_2015 - 9_29_2015Test30Combined.xls	10/17/2015 3:16 AM	Microsoft Excel 97-...	2,807 KB
NinjaTrader Trade List, 1_5_2015 - 9_29_2015Test30Combined_green.xls	10/17/2015 3:20 AM	Microsoft Excel 97-...	925 KB
NinjaTrader Trade List, 1_5_2015 - 9_29_2015Test30Combined_red.xls	10/17/2015 3:24 AM	Microsoft Excel 97-...	932 KB
NinjaTrader Trade List, 1_5_2015 - 9_29_2015Test30Combined_yellow.xls	10/17/2015 3:29 AM	Microsoft Excel 97-...	1,076 KB
NinjaTrader Trade List, 7_7_2014 - 9_29_2015Test30Combined.xls	10/17/2015 12:49 PM	Microsoft Excel 97-...	4,376 KB
NinjaTrader Trade List, 7_7_2014 - 9_29_2015Test30Combined_green.xls	10/17/2015 12:58 PM	Microsoft Excel 97-...	1,379 KB
NinjaTrader Trade List, 7_7_2014 - 9_29_2015Test30Combined_red.xls	10/17/2015 1:08 PM	Microsoft Excel 97-...	1,506 KB
NinjaTrader Trade List, 7_7_2014 - 9_29_2015Test30Combined_yellow.xls	10/17/2015 1:18 PM	Microsoft Excel 97-...	1,611 KB
NinjaTrader Trade List, 7_7_2014 - 12_19_2014Test30Combined.xls	10/17/2015 6:10 PM	Microsoft Excel 97-...	1,643 KB
NinjaTrader Trade List, 7_7_2014 - 12_19_2014Test30Combined_green.xls	10/17/2015 6:15 PM	Microsoft Excel 97-...	524 KB
NinjaTrader Trade List, 7_7_2014 - 12_19_2014Test30Combined_red.xls	10/17/2015 6:20 PM	Microsoft Excel 97-...	643 KB
NinjaTrader Trade List, 7_7_2014 - 12_19_2014Test30Combined_yellow.xls	10/17/2015 6:25 PM	Microsoft Excel 97-...	605 KB

Starting on Sheet1 after the trades, you will find the 1st two pieces of data. The position data tells you information about the most profitable and least profitable trading positions. The information includes the cumulative profit for each position, the number of trades, the winning percentage, and the dollars per trade. This information is then further broken down between long and short trades. The question you need to ask yourself is from what positions you will be trading from. The easy answer is not where you get the most dollars per trade. If you look at the chart below the most dollars per trade come from the +1 position (Postn4) for trading long. However that is the least profitable in that it only produced \$4490 in profit. The most profitable from a dollar perspective was from the -2 position (Postn3) which produced \$6164 in profit. Position 1 is always 0. Position 2 is always -1. Position 3 is always -2. Position 4 is always +1.

The next piece of data is the monthly profit and the cumulative monthly profit for each system. When choosing a system it is suggested that you look at these columns side-by-side. Sometimes a particular system such as the one shown here does not experience deep drawdowns or big winning months. It just consistently turns a profit. By comparing 4 or 5 test results together in this manner you can see which system is the most consistent to match your trading style.

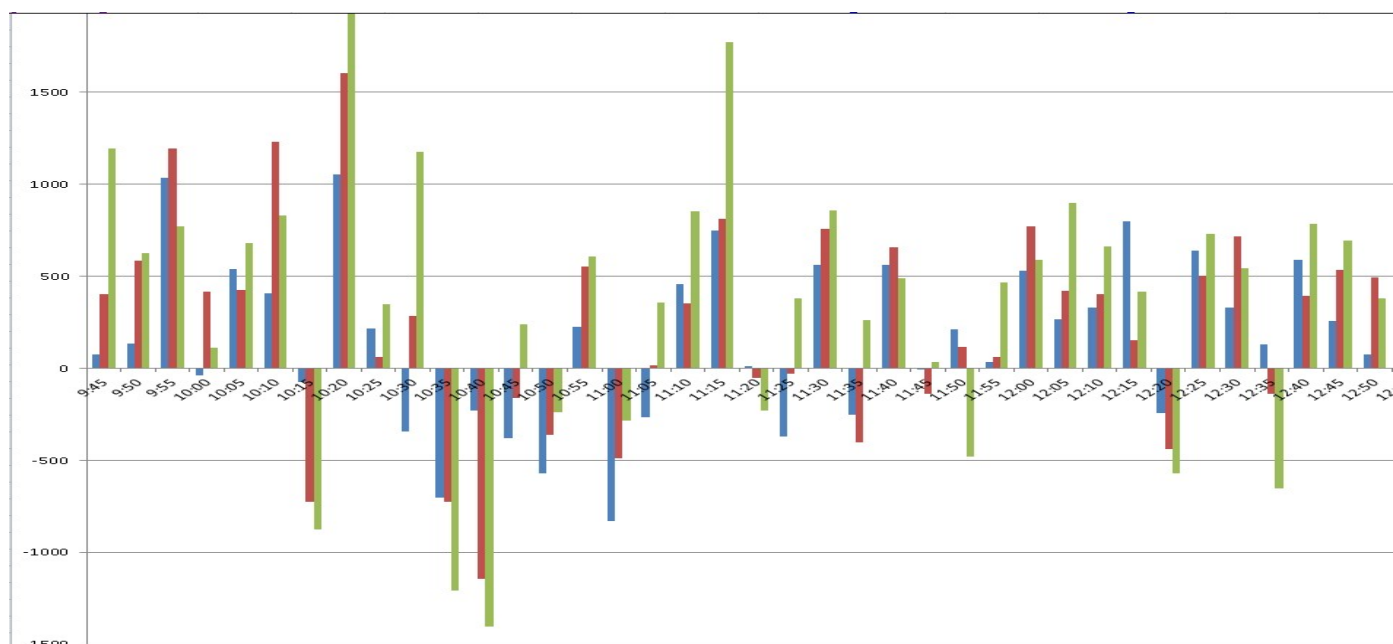
Entry Post	Cum Prof	Trade Cnt	Win %	\$/Trade	Long Prof	Long Cnt	Long Win	Long \$/Trade	Short Prof	Short Cnt	Short Win	Short \$/Trade	Month	Month Prof	Cum Month Prof
9330 Postn1	7167.2	892	54	8.03	4639.1	426	56.1	10.89	2528.1	466	52.1	5.43	15-Jan	3228.8	3228.8
9332 Postn2	8216.2	1032	60.9	7.96	5601.1	496	63.1	11.29	2615.1	536	59	4.88	15-Feb	4641.8	7811.5
9333 Postn3	8347.5	1225	66.4	6.81	6164.6	606	68.5	10.17	2182.9	619	64.3	3.53	15-Mar	2557	10459.4
9334 Postn4	6242.3	778	47.3	8.02	4490.9	374	50.3	12.01	1751.4	404	44.6	4.34	15-Apr	3696.2	14246.5
9335 Total	29973.2												15-May	2557.9	16757.8
9336													15-Jun	873.3	17584.5
9337 Trade Entr: L & S													15-Jul	4454.9	22117.8
9338 9:45	4121.5	240	17.17	3068	105	29.22	1053.5	135	7.8				15-Aug	2262.8	24321.5
9339 10:00	6412.9	419	15.31	4835.9	199	24.3	1577	220	7.17				15-Sep	5700.5	29987.9
9340 10:30	3105.9	399	7.78	2013	180	11.18	1092.9	219	4.99						
9341 11:00	1646.4	354	4.65	-636.9	191	-3.33	2283.3	163	14.01						
9342 11:30	6544.6	281	23.29	3567.2	142	25.12	2977.4	139	21.42						
9343 12:00	2859.2	262	10.91	1935.3	133	14.55	923.9	129	7.16						
9344 12:30	-1527.4	236	-6.47	-1655.7	123	-13.46	128.3	113	1.14						
9345 13:00	-553.3	262	-2.11	1226.1	121	10.13	-1779.4	141	-12.62						
9346 13:30	3282.9	244	13.45	2500	125	20	782.9	119	6.58						
9347 14:00	1179.9	289	4.08	3324	140	23.74	-2144.1	149	-14.39						

The next piece of information on Sheet1 is a 30 minute and a 5 minute break down of the trading times showing the number of trades, the dollars per trades, and the profit. This information is again broken down between long and short. The ZoneTraderPro AutoTrader provides the ability to timeout and stop trading 3 times during the day. You also have the ability to start and stop the strategy at a specific time.

	Trade Entr	L & S	Trade Cnt	\$/Trade	Long	Long Cnt	Long \$/Trade	Short	Short Cnt	Short \$/Trade
37										
38	9:45	4121.5	240	17.17	3068	105	29.22	1053.5	135	7.8
39	10:00	6412.9	419	15.31	4835.9	199	24.3	1577	220	7.17
40	10:30	3105.9	399	7.78	2013	180	11.18	1092.9	219	4.99
41	11:00	1646.4	354	4.65	-636.9	191	-3.33	2283.3	163	14.01
42	11:30	6544.6	281	23.29	3567.2	142	25.12	2977.4	139	21.42
43	12:00	2859.2	262	10.91	1935.3	133	14.55	923.9	129	7.16
44	12:30	-1527.4	236	-6.47	-1655.7	123	-13.46	128.3	113	1.14
45	13:00	-553.3	262	-2.11	1226.1	121	10.13	-1779.4	141	-12.62
46	13:30	3282.9	244	13.45	2500	125	20	782.9	119	6.58
47	14:00	1179.9	289	4.08	3324	140	23.74	-2144.1	149	-14.39
48	14:30	609.1	251	2.43	175.8	88	2	433.3	163	2.66
49	15:00	1600.6	316	5.07	-123.5	165	-0.75	1724.1	151	11.42
50	15:30	690.9	374	1.85	666.5	190	3.51	24.4	184	0.13
51										
52	9:45	3.1	91	0.03	799.2	37	21.6	-796.1	54	-14.74
53	9:50	2305.3	83	27.77	735.5	30	24.52	1569.8	53	29.62
54	9:55	1813.1	66	27.47	1533.3	38	40.35	279.8	28	9.99
55	10:00	878.8	43	20.44	778.6	21	37.08	100.2	22	4.55
56	10:05	898.7	107	8.4	898.2	52	17.27	0.5	55	0.01
57	10:10	1006.3	68	14.8	1326.4	29	45.74	-320.1	39	-8.21
58	10:15	1357.5	75	18.1	744.7	42	17.73	612.8	33	18.57
59	10:20	1825.6	66	27.66	670.7	27	24.84	1154.9	39	29.61
60	10:25	446	60	7.43	417.3	28	14.9	28.7	32	0.9
61	10:30	1218.8	68	17.92	819.7	42	19.52	399.1	26	15.35
62	10:35	634.7	67	9.47	1261.7	37	34.1	-627	30	-20.9
63	10:40	-313	70	-4.47	-103.1	34	-3.03	-209.9	36	-5.83
64	10:45	387	70	5.53	212.8	33	6.45	174.2	37	4.71
65	10:50	1299.5	70	18.56	-29.4	16	-1.84	1328.9	54	24.61
66	10:55	-121.1	54	-2.24	-148.7	18	-8.26	27.6	36	0.77
67	11:00	-1093.8	57	-19.19	-517.9	31	-16.71	-575.9	26	-22.15
68	11:05	133.6	71	1.88	749.2	37	20.25	-615.6	34	-18.11
69	11:10	25.5	55	0.46	-803.2	23	-34.92	828.7	32	25.9
70	11:15	343.7	57	6.03	-1105.4	31	-35.66	1449.1	26	55.73
71	11:20	483.5	60	8.06	417.4	39	10.7	66.1	21	3.15
72	11:25	1753.9	54	32.48	623	30	20.77	1130.9	24	47.12
73	11:30	1860.7	52	35.78	1611.6	26	61.98	249.1	26	9.58
74	11:35	1322	45	29.38	583.2	27	21.6	738.8	18	41.04

In the example above we can see that long trades are profitable starting at 945. However, short trades do not become profitable until 950 in the morning. Again you should be comparing all 5 of the worksheets and making notes.

Another tool that ZoneTraderPro provides is an Excel worksheet that you can transfer these numbers to and create graphs to visually help you decide when to and when not to trade. These graphs placed the 3 month, 6 month and 9 months data on the chart. This will help you carve out times when it is not profitable to trade based on historical patterns. It is important that you create this time list only based on the type of trade and the type of day that you are analyzing. **Do not use the cumulative values to analyze short and long trades. Do not use the 30 minute time frames as it is too general. Write down the times for each test that you think you would use when trading the system. Again compare the systems to find consistency with the information.**



	I	J	K	L	M
		3 month	6 month	9 month	
9:45		72.8	401.4	1194.8	
9:50		133.2	584.7	623.5	
9:55		1036.5	1195.8	770.9	
10:00		-39.7	416.1	109.4	
10:05		540	423.1	680	
10:10		405.8	1228.8	831.2	
10:15		-74.8	-724.7	-874.5	
10:20		1052.4	1601.4	2023.1	
10:25		214.9	62.7	345.7	
10:30		-345.3	284.4	1176.6	
10:35		-701	-725.8	-1206.4	
10:40		-229.5	-1145.2	-1401.9	
10:45		-378.3	-160	237.8	
10:50		-572.6	-360	-240.6	
10:55		224	552.5	606	
11:00		-831.7	-489.5	-286	
11:05		-264.7	17.3	356	
11:10		454.7	351.5	853.9	
11:15		746.7	811.5	1770.8	
11:20		11.5	-53.2	-229.2	
11:25		-371.5	-31.6	381.1	
11:30		563.7	759.2	857.1	
11:35		-254.5	-401	261.6	
11:40		560.4	654.9	490.2	
11:45		-7.9	-140.8	34.3	
11:50		212.6	117.2	-479.3	
11:55		34.1	61.4	465	
12:00		529.6	770.6	586.6	
12:05		267.1	422.8	899	
12:10		329.6	403.5	661.5	
12:15		800.1	153.6	415	

Also on Sheet1, to the far right of the individual trades is a cumulative running total broken down between long and short trades. This is going to become important later when we look to figure out where to place a stop loss for the day. It is also very important to note that this information is not necessarily the most important right now. The reason is because you are looking at all of the trades from 945 to 1600. As you can see from the picture above you probably would not trade the time period from 1035 to 1105. What is suggested is that you analyze looking at the stop loss is a test run based on your actual trading strategy that includes the timeouts.

T	U	V	W	X	Y
LongCum	ShortCum	Gap	OvernightR	15mRng	
	-387.3				
602.5					
661.6					
745.7					
842.3					
	-478.2				
	-556.6				
901.4					
973					
907.1					
853.7					
900.3					
971.9					
1031					
1090.1					
999.2					
920.8					
	-472.5				
	-375.9				
	-329.3				
	-270.2				
	-211.1				
	-139.5				
	-67.9				
920.8	-71.3	16.5	19.75	6	

Sheet2 of the spreadsheet contains information about each individual day.

Date	Gap	OvernightR	OvernightV	15mRng	15mCndIB	30mCndIB	TTE Day	ValuePost	Long Prof	L Cnt	LW Cnt	LW %	Short Prof	S Cnt	S W Cnt	SW %
1/30/2015	-20.75	-25.25	267008	11.25	8.5	6 SD		0	-404	60	32	53.3	836.9	59	40	67.8
2/18/2015	-4	-8.5	128033	4.5	1.75	1 SSD		0	230.8	13	9	69.2	153.5	10	6	60
2/23/2015	-3.5	-6.75	103329	-3.75	-2.5	-2 SSD		0	194.4	9	7	77.8	11.4	4	2	50
2/27/2015	-2.25	-5.5	111193	-4.75	-2.5	-2.25 BD		0	-169.2	13	7	53.8	616	10	10	100
3/11/2015	6.25	9.75	226438	4.5	2	0.25 SSD		0	230.9	24	16	66.7	419.5	20	14	70
3/12/2015	8	12.5	218941	10.5	9.5	9.5 BD		0	396.7	12	10	83.3	320.6	16	12	75
3/17/2015	-5	-9.25	178148	-5.75	-0.25	-1.5 BD		0	-499.9	11	3	27.3	491.1	21	17	81
3/23/2015	-1.25	-12.75	145105	6.75	4.75	3.25 SD		0	-34	10	6	60	169.4	9	7	77.8
3/27/2015	-4	-16.75	186038	5.25	1.5	4.5 SSD		0	210.4	19	12	63.2	891.1	21	18	85.7
4/13/2015	-3	-8.75	127203	5.75	5.5	5.75 SD		0	408.1	16	12	75	510.3	8	8	100
4/24/2015	4	10.25	204462	-5.75	-4.25	-1.5 SD		0	-72.7	3	1	33.3	662.6	11	10	90.9
5/13/2015	2	10.75	221807	9.5	6.75	3.75 SSD		0	-206.6	24	12	50	446.8	23	17	73.9
5/19/2015	1.75	8.5	172990	-5.5	-1.5	-2 BD		0	222.8	8	6	75	328.5	10	8	80
6/8/2015	-4	-6.75	183398	-5.5	-2.25	-3.25 SSD		0	78.6	21	13	61.9	281.9	9	7	77.8
6/19/2015	-1.75	-7.25	198090	-4	-1.25	-1.5 SSD		0	-414.7	8	2	25	63.7	7	5	71.4
6/25/2015	6.5	13.25	215924	-9.25	-5	-3.5 BD		0	-160.1	14	6	42.9	455.8	13	11	84.6
6/30/2015	13	19.5	422652	-8.25	-6.5	-11.25 BD		0	11.7	37	22	59.5	752.6	36	27	75
7/14/2015	-2.75	-4.75	155721	3.75	2.75	4.75 SD		0	242.1	6	4	66.7	325.1	11	9	81.8
7/21/2015	-3	-7.5	97646	3	2.5	2.75 BD		0	-137.4	11	5	45.5	485.3	8	8	100
7/29/2015	-0.5	-9.25	191870	5	1.75	1.5 BD		0	152.3	3	3	100	559.2	12	10	83.3
8/4/2015	0	9.25	163940	5.75	0.25	1.25 SD		0	462.7	22	16	72.7	439.9	14	12	85.7
8/6/2015	0.75	8.25	121510	-9.75	-7.25	-9.5 BD		0	200.2	22	13	59.1	214.9	14	9	64.3
8/28/2015	-15.75	-25.5	371066	6.75	4	5.75 SD		0	-221.3	32	18	56.2	637.8	33	23	69.7
5/29/2015	-4.5	-10.75	171164	-5.5	-4.25	-3.25 SSD		0	201.3	18	12	66.7	171.8	23	15	65.2
8/18/2015	-1.75	-11.5	192479	-4.25	-2.75	-1 SSD		0	-349.9	11	5	45.5	101.3	18	11	61.1
5/11/2015	2	5.25	132243	5.5	0	1.25 BD		0	-719.2	13	3	23.1	213.7	7	5	71.4

The sheet above and below is from a test based on a yellow day which is going to do better with its short trades. This sheet contains some important information concerning the overnight gap, the overnight range, the overnight volume, the opening 15 minute range and candle bar, and the 30 minute candle bar. This information is important because it can help you determine volatility from a historical point of view to compare to real time.

The column Value Position is how we determine the type of day it is. If it is Green day this column will have a positive value. If it is a Yellow day this column will have a 0 value. If it is a Red day this column will have a negative value. Next you can see the long profit, the number of trades, the number of winning trades and the winning percentage based upon long and short trades.

Further to the right are 6 columns which tell you what the final profit was, your highest profit during the day, and your maximum loss during the day broken down between long and short trades. These numbers are based on 2 contracts being traded. We can see a majority of these days had little to no loss trading short on a Yellow day.

	Date	Final L Intra Day Prof	Max L Intra Day Prof	Max L Intra Day Loss	Final S Intra Day Prof	Max S Intra Day Prof	Max S Intra Day Loss
2	1/30/2015	-404	763.8	-563.2	836.9	1013	0
3	2/18/2015	230.8	367.1	0	153.5	367.1	0
4	2/23/2015	194.4	308	0	11.4	180.7	0
5	2/27/2015	-169.2	118.2	-211.3	616	616	0
6	3/11/2015	230.9	477.4	0	419.5	627.4	0
7	3/12/2015	396.7	396.7	-122.7	320.6	434.2	0
8	3/17/2015	-499.9	0	-499.9	491.1	554.7	0
9	3/23/2015	-34	135.3	-194.3	169.4	388.7	0
0	3/27/2015	210.4	210.4	-502.2	891.1	891.1	0
1	4/13/2015	408.1	408.1	-186.3	510.3	510.3	0
2	4/24/2015	-72.7	71.6	-72.7	662.6	662.6	0
3	5/13/2015	-206.6	11.4	-418	446.8	616.1	0
4	5/19/2015	222.8	392.1	0	328.5	328.5	0
5	6/8/2015	78.6	400.1	-194.3	281.9	345.5	0
6	6/19/2015	-414.7	71.6	-414.7	63.7	258	0
7	6/25/2015	-160.1	311.4	-160.1	455.8	637.6	0
8	6/30/2015	11.7	300.3	-169.3	752.6	843.4	0
9	7/14/2015	242.1	286.4	0	325.1	363.7	0
0	7/21/2015	-137.4	180.7	-327.2	485.3	485.3	0
1	7/29/2015	152.3	152.3	0	559.2	559.2	0
2	8/4/2015	462.7	462.7	0	439.9	609.2	0
3	8/6/2015	200.2	200.2	-415.8	214.9	513.7	0
4	8/28/2015	-221.3	188.8	-327	637.8	1015	0
5	5/29/2015	201.3	345.6	-169.3	171.8	358	-5.6
6	8/18/2015	-349.9	127.3	-349.9	101.3	345.5	-10.1
7	5/11/2015	-719.2	0	-719.2	213.7	213.7	-38.6
8	6/23/2015	231.9	231.9	-144.3	-42	102.3	-42
9	9/21/2015	-779.3	247.8	-812.3	183.3	574.1	-45.3
0	4/9/2015	88.8	211.5	-169.3	32	288.7	-54.4
1	1/21/2015	366.2	429.8	-169.3	165	317.2	-64.7
2	2/2/2015	273	273	-169.3	947	1377.6	-68.1
3	2/25/2015	20.5	105.7	-63.6	-77.2	261.4	-77.2
4	7/15/2015	243.3	243.3	-169.3	14.9	92.1	-90.8
5	9/11/2015	0	0	0	-97.7	71.6	-97.7
6	5/20/2015	-159	0	-220.4	-30.6	130.7	-102.2
7	2/4/2015	743.6	1334.4	0	611.7	781	-122.7
8	9/17/2015	509.2	509.2	-10.2	-24.9	105.7	-130.6
9	8/7/2015	1449.2	1449.2	0	388.8	549	-144.3
0	3/19/2015	-104.4	25.1	-292	354.7	354.7	-169.3
1	4/2/2015	-352.2	0	-363.6	36.5	205.8	-169.3
2	4/7/2015	-154.4	278.5	-169.3	353.5	353.5	-169.3
3	7/24/2015	-358.9	0	-715.8	192.1	192.1	-169.3
4	8/14/2015	216	281.9	-169.3	34.2	150.1	-169.3
5	8/26/2015	80.7	80.7	0	-169.3	0	-169.3
6	1/6/2015	-205.1	114.1	-724.8	826.7	884.6	-173.8

These columns are extremely important once again to determine your maximum stop loss settings for a particular trading system. Again it is important to view these values based upon your actual trading strategy and not a data run to accumulate data from all trading times. What is suggested is that you create 3 or 4 trading plans **for each type of trade** and conduct a test using market replay. You then save the trade list from NinjaTrader and send that trade list to ZoneTraderPro to analyze your trading system. This way you can properly analyze your system without having to trade with live money.

Sheet3 provides additional statistical information to help you determine the potential volatility based upon historical statistics. This is information meant to be used in real time on an actual trading day.

Stat Typ	LnqProf	ShrtProf	TotProf	DTrdCnt	DWin %	LTrdCnt	LWin %	STrdCnt	SWin %	Trd Dates
>4 <=6	344.4	1049.1	1393.5	4	75	134	60.4	151	62.9	Jan-12 Feb-02 May-06 Sep-21
>6 <=8	735.3	1125.2	1860.5	5	80	133	63.2	147	65.3	Mar-11 Mar-12 May-01 Jun-25 Sep-29
>8 <=10	0	0	0	0	0	0	0	0	0	
>10	1013.2	512	1525.2	3	66.7	77	67.5	70	62.9	Jan-07 Jun-30 Aug-26
>=2 <0	697.8	1317.3	2015.1	10	60	133	63.2	153	62.1	Feb-25 Feb-26 Mar-23 Jun-19 Jul-15 Jul-29 Aug-01
>=4 <-2	1604.6	2470.5	4075.1	19	68.4	256	61.3	255	63.5	Feb-17 Feb-18 Feb-23 Feb-27 Mar-02 Mar-27 Apr-01
>=6 <-4	54.4	172.7	227.1	8	50	109	59.6	122	60.7	Jan-21 Mar-03 Mar-17 Apr-23 May-28 May-29 Sep-29
>=8 <-6	2721.4	219.2	2940.6	5	80	104	75	112	58	Feb-04 Jun-02 Jun-05 Jul-30 Aug-17
>=10 <-8	-104.4	354.7	250.3	1	100	16	56.2	17	76.5	19-Mar
<-10	-1436.3	1063.7	-372.6	3	66.7	132	50.8	132	62.9	Jan-30 Jul-08 Aug-28
OvernightRng										
>0 <=2	0	0	0	0	0	0	0	0	0	
>2 <=4	0	0	0	0	0	0	0	0	0	
>4 <=6	-784.8	1047	262.2	5	40	47	44.7	45	73.3	Feb-25 Feb-27 May-11 May-20 Jul-14
>6 <=8	-991.1	-409.5	-1400.6	9	55.6	104	52.9	80	56.2	Feb-23 Feb-26 Mar-03 May-28 Jun-08 Jun-19 Jun-20
>8 <=10	2317	3524.2	5841.2	19	73.7	245	64.5	287	64.8	Feb-18 Mar-02 Mar-09 Mar-11 Mar-17 Apr-07 Apr-11
>10 <=12	2635.6	2432.2	5067.8	12	75	291	64.6	292	64	Jan-06 Feb-04 Apr-09 Apr-24 Apr-28 May-06 May-13
>12 <=14	846.6	1722.9	2569.5	8	75	126	62.7	144	66.7	Jan-21 Feb-02 Mar-12 Mar-23 Apr-02 Apr-23 Jun-1
>14 <=16	655.2	75.8	731	4	100	72	66.7	88	60.2	Jan-12 Feb-17 Mar-19 Aug-17
>16 <=18	1056.1	1185.6	2241.7	2	100	46	71.7	41	78	Mar-27 Jun-05
>18 <=20	1715.7	487.3	2203	4	100	102	69.6	103	61.2	Jan-07 Apr-22 Jun-02 Jun-30
>20 <=22	-89.6	-57.7	-147.3	2	0	19	52.6	28	60.7	May-07 Sep-11
>22	-1505.5	974.2	-531.3	7	42.9	270	54.8	287	60.3	Jan-30 Apr-01 Jul-08 Aug-26 Aug-28 Sep-21 Sep-29
15mRng										
>0 <=2	0	0	0	0	0	0	0	0	0	
>2 <=4	280.3	-562.6	-282.3	9	55.6	83	59	114	55.3	Feb-26 Mar-02 Mar-09 Apr-28 May-18 May-28 Jul-14
>4 <=6	2947.6	3802	6749.6	13	84.6	236	66.9	220	67.3	Jan-07 Feb-04 Feb-18 Mar-11 Mar-27 Apr-02 Apr-11
>6 <=8	-1738.6	490	-1248.6	7	42.9	129	48.8	150	60	Mar-23 Apr-07 May-27 Jul-08 Aug-28 Sep-11 Sep-29
>8 <=10	-207.4	518.8	311.4	3	66.7	61	55.7	68	67.6	Apr-09 May-07 May-13
>10	501	920.3	1421.3	4	75	110	60.9	108	64.8	Jan-21 Jan-30 Mar-12 Jun-16
>=2 <0	0	0	0	0	0	0	0	0	0	
>=4 <-2	32.1	-44.1	-12	4	50	31	61.3	24	58.3	Feb-23 Feb-25 Jun-19 Jun-23
>=6 <-4	1253	3345.4	4598.4	15	80	205	63.4	244	67.2	Feb-17 Feb-27 Mar-03 Mar-17 Mar-19 Apr-22 Apr-27
>=8 <-6	-780.7	811.3	30.6	5	40	123	54.5	118	62.7	Jan-06 May-20 Jun-26 Jul-24 Aug-03
>=10 <-8	888.4	813.4	1701.8	5	80	99	61.6	99	63.6	Jun-02 Jun-25 Jun-30 Jul-30 Aug-06
<-10	2679.5	887.5	3567	7	71.4	245	66.5	250	61.2	Jan-12 Feb-02 Apr-01 May-06 Jun-05 Aug-26 Sep-29

Here we are looking specifically at short trades on a yellow day and the condition of the gap and opening candle and can see that based on the history we would like a gap in opening 30 minute candle to be positive and not negative.

Stat Typ	LngProf	ShrtProf	TotProf	DTrdCnt	DWin %	LTrdCnt	LWin %	STrdCnt	SWin %	Trd Dates						
Gap, OpenCndI_15, OpenCndI_30>0	0	3414	3414	25	64	0	0	540	63	Jan-08 Jan-13 Feb-03 Feb-05 Feb-13 Mar-16						
Gap, OpenCndI_15, OpenCndI_30<0	0	-58.3	-58.3	5	40	0	0	87	56.3	Jan-23 Jul-23 Aug-13 Sep-23 Oct-16						
Gap & OpenCndI_15>0	0	3327.9	3327.9	27	63	0	0	569	62.4	Jan-08 Jan-13 Feb-03 Feb-05 Feb-13 Mar-16						
Gap & OpenCndI_15<0	0	-58.3	-58.3	5	40	0	0	87	56.3	Jan-23 Jul-23 Aug-13 Sep-23 Oct-16						
Gap<0 & OpenCndI_15>0	0	-491.6	-491.6	3	33.3	0	0	49	53.1	Feb-11 Feb-24 Jun-11						
Gap>0 & OpenCndI_15<0	0	4949.9	4949.9	33	66.7	0	0	739	62.5	Jan-09 Jan-15 Jan-20 Jan-22 Jan-28 Feb-06						
Gap & OpenCndI_15<0 and OpenCndI_30>0	0	0	0	0	0	0	0	0	0							
Gap & OpenCndI_30>0	0	5012.4	5012.4	31	67.7	0	0	614	64.5	Jan-08 Jan-13 Feb-03 Feb-05 Feb-12 Feb-13						
Gap & OpenCndI_30<0	0	-58.3	-58.3	5	40	0	0	87	56.3	Jan-23 Jul-23 Aug-13 Sep-23 Oct-16						

The statistics in the following picture are from a combined chart of red green and yellow days. The highlighted green cells are the green days, yellow days, and red days respectively.

	A	B	C	D
1	Stat Typ	LngProf	ShrtProf	TotProf
88	Open>PrevDayVAH	9346.6	3284.6	12631.2
89				
90	Open>PrevDayVAH and BD	5034	-6.8	5027.2
91				
92	Open>PrevDayVAH and SD	1012.5	970.6	1983.1
93				
94	Open>PrevDayVAH and SSC	3300.1	2320.8	5620.9
95				
96	Open>PrevDayVAH and Gap	8549.8	3537.8	12087.6
97				
98	Open>PrevDayVAH & Gap<0	4823.2	1391.6	6214.8
99				
100	Open in PrevDayValue	5068.1	10171.1	15239.2
101				
102	Open in PrevDayValue and E	731	3808.4	4539.4
103				
104	Open in PrevDayValue and S	3222.2	2578	5800.2
105				
106	Open in PrevDayValue and S	1114.9	3784.7	4899.6
107				
108	Open<PrevDayVAL	2264	-1334.6	929.4
109				
110	Open<PrevDayVAL and BD	2350	-1739.1	610.9
111				
112	Open<PrevDayVAL and SD	-159.3	-851.1	-1010.4
113				
114	Open<PrevDayVAL and SSC	73.3	1255.6	1328.9
115				
116				

Now that you have a basic understanding of what your trading plan is going to be it is time to begin testing and sending those results to ZoneTraderPro to data mine the results. There are 3 testing parameters that will make or break this system.

Those parameters are:

1. Your stop loss strategy.
2. The quantity of contracts traded and their positions.
3. The beginning and ending of the trading day and the times you will not trade.

It would be logical to look at the trading times 1st. After you've looked at and tested the trading times the next logical parameter would be the quantity and contracts traded and from what position. Why is this important? The historical data shows that on a green day it is twice as profitable to trade long then it is short. On a yellow day it is twice as profitable to trade short than it is to trade long. The question you have to answer for yourself is whether or not you use leverage when it is not statistically favored.

Looking at those statistics, would you place your leverage trading the same number of contracts long and short on a Green day? You ask yourself the same question in reverse for a yellow day, trading short.

One area to study is trading long on a yellow day and short on a Green day. If you're going to make that trade what position do you use? Here we have the analysis trading long on a yellow day. You get more trades and have a higher winning percentage at position -2, however it is more profitable to trade from position -1 in terms of just dollars because it has better risk reward.

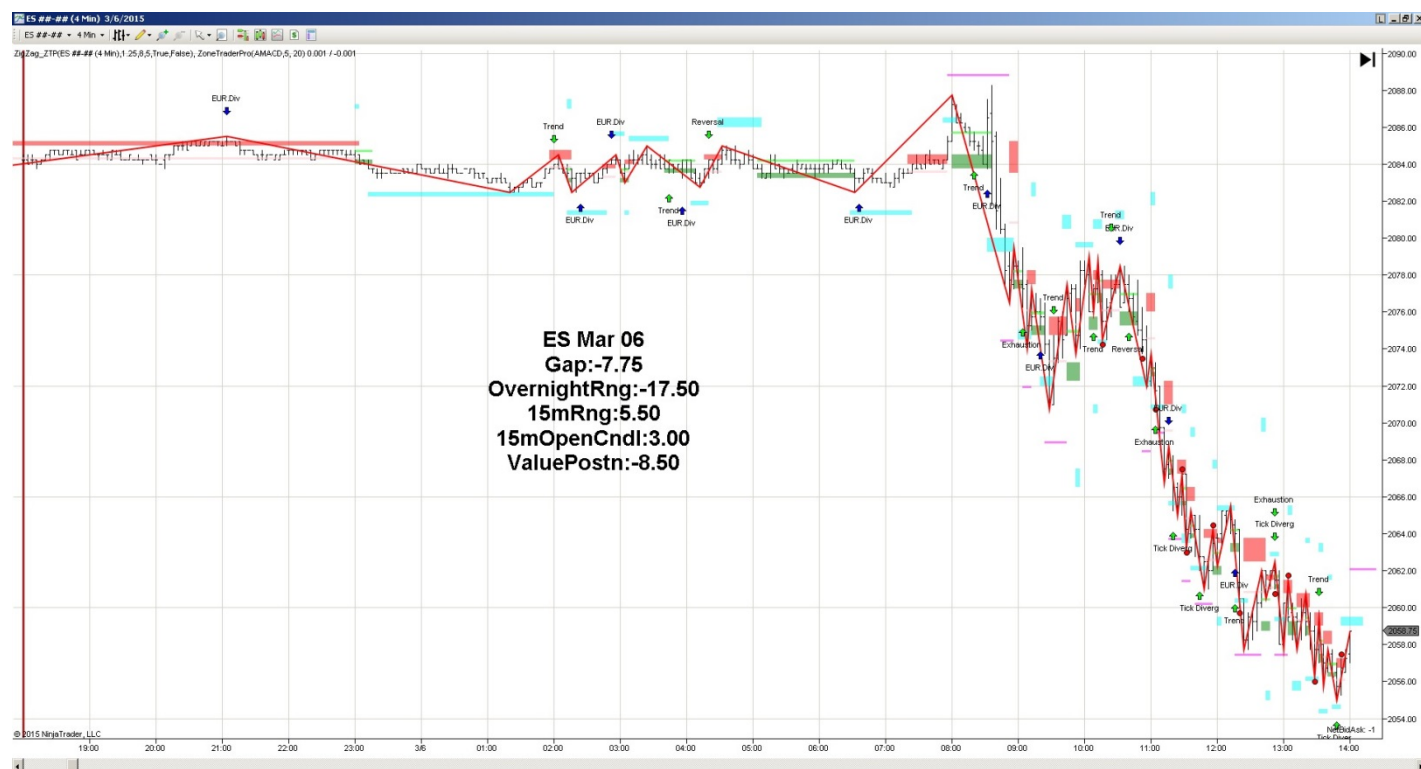
Entry Postn	Cum Prof	Trade Cnt	Win %	\$/Trade	Long Prof	Long Cnt	Long Win %	Lng \$/Trade
1 Postn1	0	0			0	0		
2 Postn2	8902.5	1275	59.2	6.98	3119.3	623	57.8	5.01
3 Postn3	7934.7	1442	65.3	5.5	2735.9	699	64.5	3.91
4 Postn4	0	0			0	0		
5 Total	16837.2							

And finally once those questions have been answered you need to conduct testing on your stop loss strategy. You will likely have a different number for trading long then you have for trading short on a Green day. There are 2 reasons. 1st you may have a different number of contracts. The 2nd reason is because you are more likely to take a loss from a short trade.

Now that you have actual tests based on parameters you are likely to use, go to Sheet2 and look at the intraday loss figures. The hardest decision you can make is choosing a value here, because you will see days that had a loss early in the day, but had less loss by the end of the day.

	U	V	W
Intr	Final S	Intra Day Prof	Max S Intra Day Loss
0	-1512.1	-103.4	-1512.1
0	-527	-90.9	-889.6
0	-645.2	337.6	-750.9
0	-723.7	105.7	-723.7
0	-174.7	92.1	-574.8
0	-157.8	-65.9	-571.5
0	-465.8	-90.9	-557.9
0	-214.5	104.7	-535
0	-50.7	372.9	-513.3
0	-406.6	177.3	-490.7
0	-270.2	-90.9	-482.9
0	-232.6	270.5	-422.5
0	-310.2	105.7	-402.2

Now go back and review Sheet1. Use NinjaTrader to pull up those specific charts. You can also find out if a news event during the trading day caused these losses. Review the overnight data on these days. This is not the picture that you want to see from an 0830 news event.



Disclaimer

Hypothetical performance results have many inherent limitations, some of which are described below. No representation is being made that any account will or is likely to achieve profits or losses similar to those shown. In fact, there are frequently sharp differences between hypothetical performance results and the actual results subsequently achieved by any particular trading program.

One of the limitations of hypothetical performance results is that they are generally prepared with the benefit of hindsight. In addition, hypothetical trading does not involve financial risk, and no hypothetical trading record can completely account for the impact of financial risk in actual trading. For example, the ability to withstand losses or to adhere to a particular trading program in spite of trading losses are material points which can also adversely affect actual trading results. There are numerous other factors related to the markets in general or to the implementation of any specific trading program which cannot be fully accounted for in the preparation of hypothetical performance results and all of which can adversely affect actual trading results.

Unlike an actual performance record, simulated results do not represent actual trading. Also, since the trades have not actually been executed, the results may have under-or-over compensated for the impact, if any, of certain market factors, such as lack of liquidity. Simulated trading programs in general are also subject to the fact that they are designed with the benefit of hindsight.

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